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DRAWINGS – THIRTY-TWO (32) SHEETS

09504056 - 070502

Applicant(s):	Kimikazu Fujita et al.
Title:	BROADCASTING APPARATUS, BROADCASTING METHOD, PROGRAM RECORDING METHOD, AND PROGRAM
Attorney's Docket No.:	NAK1-BP30

"EXPRESS MAIL" MAILING LABEL NO. EL 852659197 US

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FIG. 1

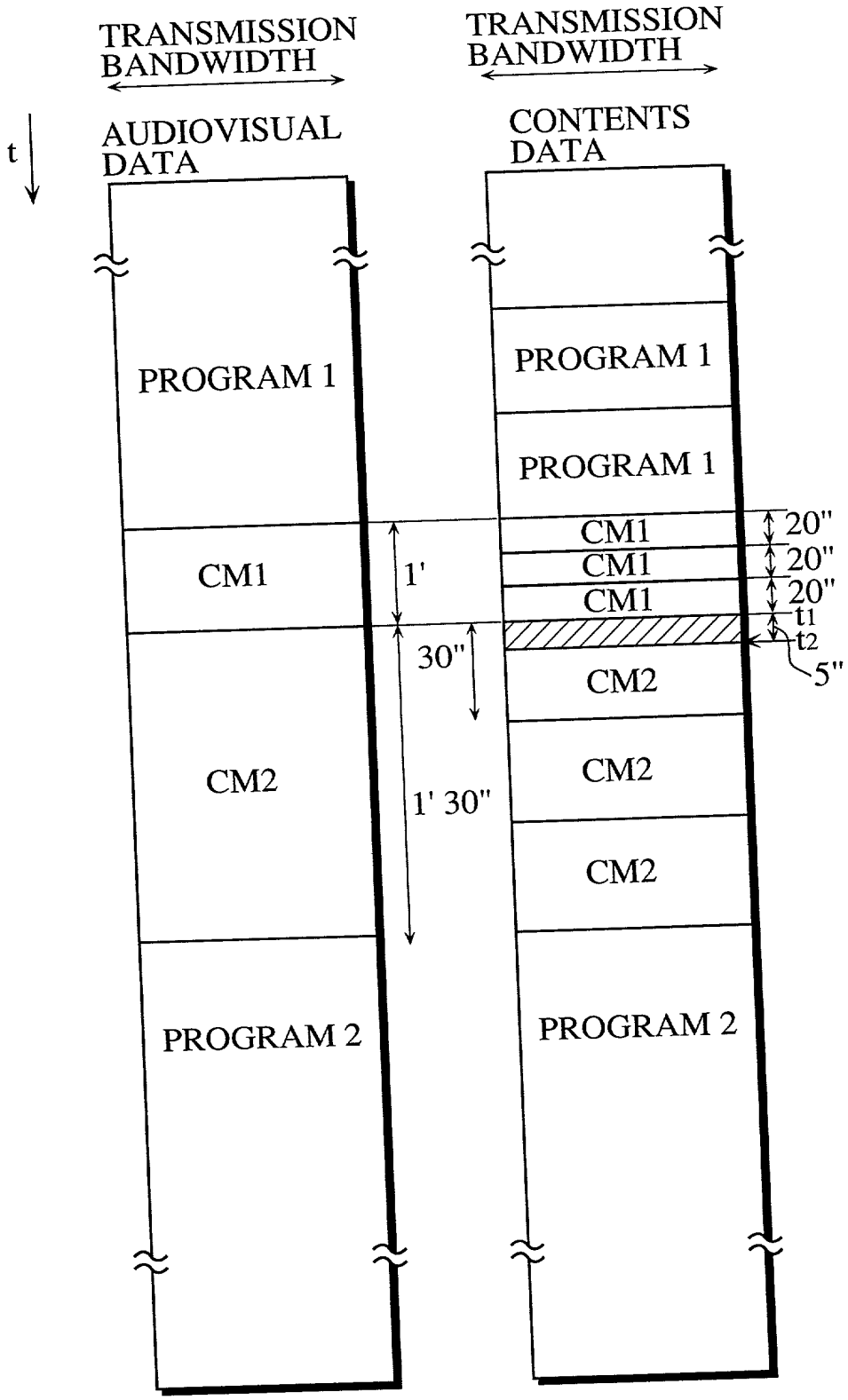

TRANSMISSION BANDWIDTH
AUDIOVISUAL DATA
t
PROGRAM 1
CM1
CM2
PROGRAM 2
1'
30"
1' 30"
TRANSMISSION BANDWIDTH
CONTENTS DATA
PROGRAM 1
PROGRAM 1
CM1
CM1
CM1
CM2
CM2
CM2
PROGRAM 2
20"
20"
20"
t1
t2
5"

FIG. 2

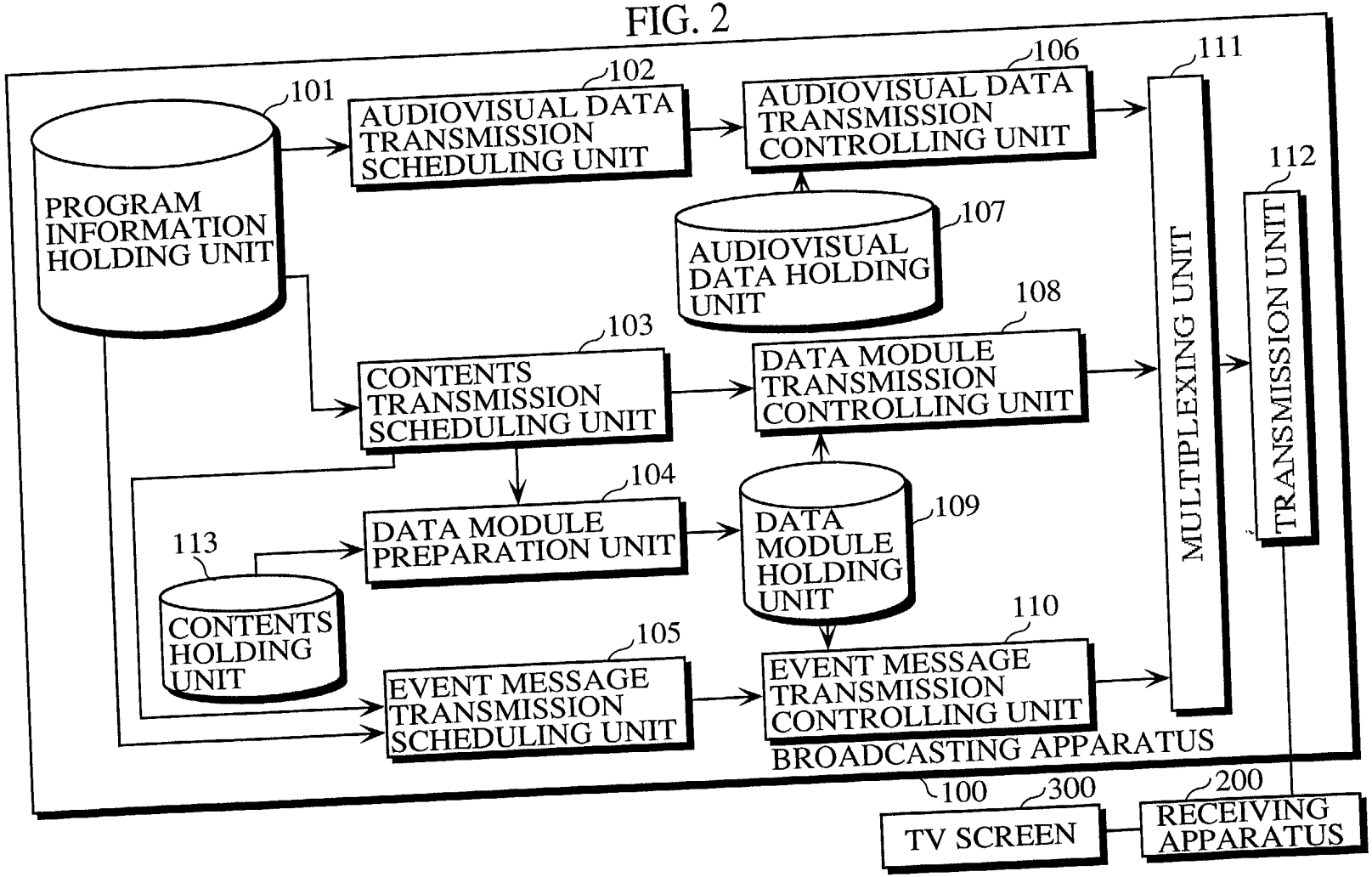

101
PROGRAM INFORMATION HOLDING UNIT
102
AUDIOVISUAL DATA TRANSMISSION SCHEDULING UNIT
106
AUDIOVISUAL DATA TRANSMISSION CONTROLLING UNIT
111
MULTIPLEXING UNIT
112
TRANSMISSION UNIT
107
AUDIOVISUAL DATA HOLDING UNIT
103
CONTENTS TRANSMISSION SCHEDULING UNIT
108
DATA MODULE TRANSMISSION CONTROLLING UNIT
104
DATA MODULE PREPARATION UNIT
109
DATA MODULE HOLDING UNIT
113
CONTENTS HOLDING UNIT
105
EVENT MESSAGE TRANSMISSION SCHEDULING UNIT
110
EVENT MESSAGE TRANSMISSION CONTROLLING UNIT
BROADCASTING APPARATUS
100
TV SCREEN
300
200
RECEIVING APPARATUS

FIG. 3

BROADCASTING DATE	CHANNEL CODE	PROGRAM MANAGEMENT CODE	PROGRAM TITLE	STARTING TIME OF PROGRAM	FINISHING TIME OF PROGRAM	AUDIOVISUAL MANAGEMENT CODE	CONTENTS MANAGEMENT CODE
2000/1/1	10	1001	PROGRAM A	8 : 00 : 00	8 : 14 : 00	AV1001	C1001
		1002	CM1	8 : 14 : 00	8 : 15 : 00	AV1002	C1002
		1003	CM2	8 : 15 : 00	8 : 16 : 00	AV1003	C1003
		1001	PROGRAM A	8 : 16 : 00	8 : 34 : 00	AV1004	C1004
		1004	CM3	8 : 34 : 00	8 : 35 : 00	AV1005	C1005

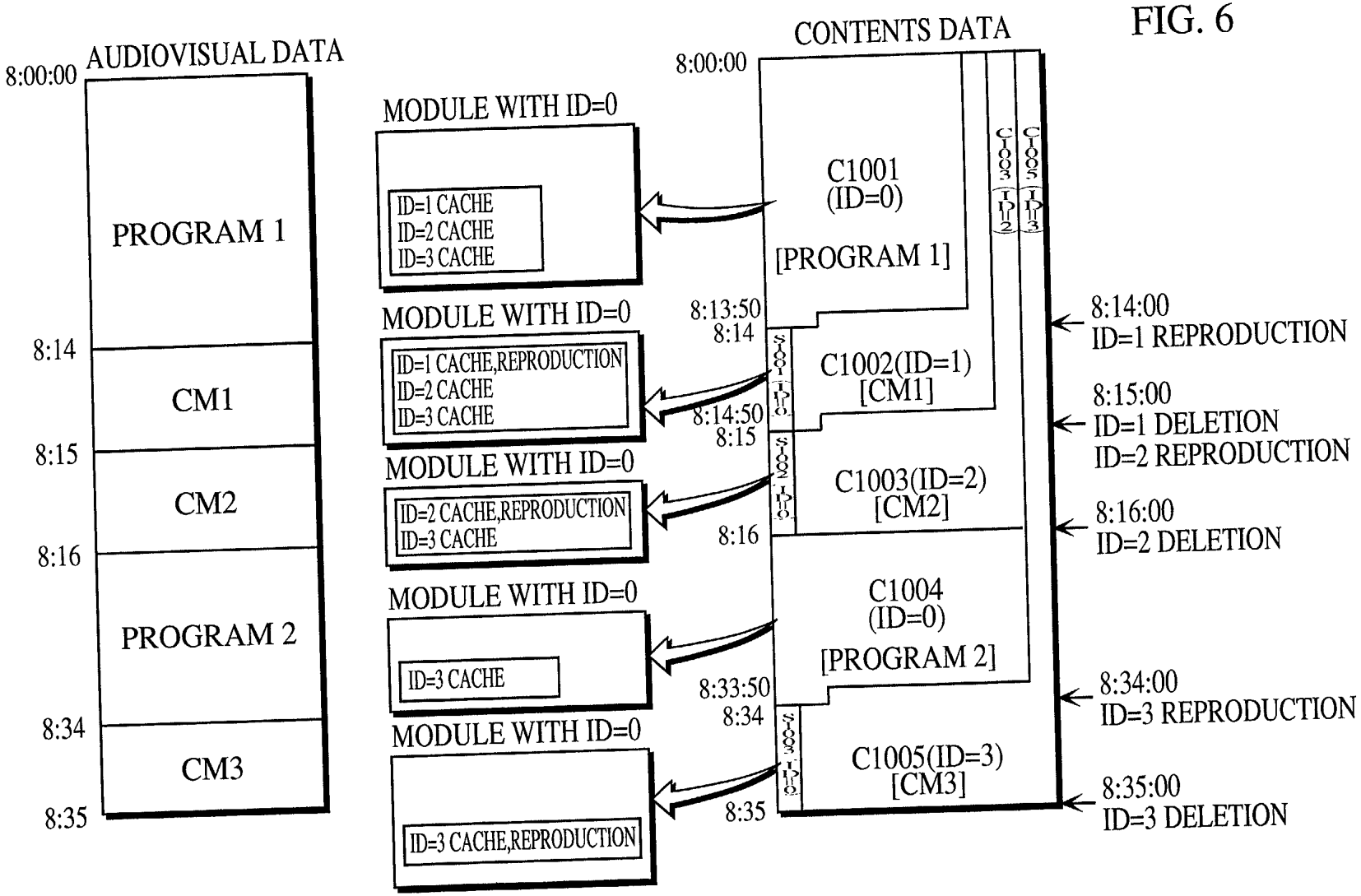
FIG. 4

BROADCASTING DATE	CHANNEL CODE	AUDIOVISUAL MANAGEMENT CODE	STARTING TIME OF PROGRAM	FINISHING TIME OF PROGRAM
2000/1/1	10	AV1001	8 : 00 : 00	8 : 14 : 00
		AV1002	8 : 14 : 00	8 : 15 : 00
		AV1003	8 : 15 : 00	8 : 16 : 00
		AV1004	8 : 16 : 00	8 : 34 : 00
		AV1005	8 : 34 : 00	8 : 35 : 00

FIG. 5

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)			
2000/1/1	10	8 : 00 : 00~8 : 13 : 50	C1001(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8 : 13 : 50~8 : 14 : 00	C1001(0.25D)	C1002(0.55D)	C1003(0.1D)	C1005(0.1D)
		8 : 14 : 00~8 : 14 : 50	S1001(0.05D)	C1002(0.75D)	C1003(0.1D)	C1005(0.1D)
		8 : 14 : 50~8 : 15 : 00	S1001(0.05D)	C1002(0.2D)	C1003(0.65D)	C1005(0.1D)
		8 : 15 : 00~8 : 16 : 00	S1002(0.05D)	C1003(0.85D)	C1005(0.1D)	
		8 : 16 : 00~8 : 33 : 50	C1004(0.9D)	C1005(0.1D)		
		8 : 33 : 50~8 : 34 : 00	C1004(0.25D)	C1005(0.75D)		
		8 : 34 : 00~8 : 35 : 00	S1003(0.05D)	C1005(0.95D)		

FIG. 6


AUDIOVISUAL DATA
8:00:00
PROGRAM 1
8:14
CM1
8:15
CM2
8:16
PROGRAM 2
8:34
CM3
8:35
MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE,REPRODUCTION
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=2 CACHE,REPRODUCTION
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE,REPRODUCTION
CONTENTS DATA
8:00:00
C1001
(ID=0)
[PROGRAM 1]
C1003 ID=2
C1005 ID=3
8:13:50
8:14
C1002 ID=1
C1002(ID=1)
[CM1]
8:14:50
8:15
C1003 ID=2
C1003(ID=2)
[CM2]
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005 ID=3
C1005(ID=3)
[CM3]
8:35
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=1 DELETION
ID=2 REPRODUCTION
8:16:00
ID=2 DELETION
8:34:00
ID=3 REPRODUCTION
8:35:00
ID=3 DELETION

05004258 - 070501

FIG. 7

CONTENTS MANAGEMENT CODE	DATA MODULE
C1001	DATA MODULE WITH ID=0
C1002	DATA MODULE WITH ID=1
C1003	DATA MODULE WITH ID=2
C1005	DATA MODULE WITH ID=3
C1004	DATA MODULE WITH ID=0
S1001	DATA MODULE WITH ID=0
S1002	DATA MODULE WITH ID=0
S1003	DATA MODULE WITH ID=0

T060720" 85270660

FIG. 8

BROADCASTING DATE	CHANNEL CODE	CONTENTS MANAGEMENT CODE	MESSAGE TYPE	TRANSMISSION TIME
2000/1/1	10	C1002	REPRODUCTION	8 : 14 : 00
		C1002	DELETION	8 : 15 : 00
		C1003	REPRODUCTION	8 : 15 : 00
		C1003	DELETION	8 : 16 : 00
		C1005	REPRODUCTION	8 : 34 : 00
		C1005	DELETION	8 : 35 : 00

FIG. 9

	0−1	0−2	0−3	0−4	0−5	0−6	0−7	1−1	2−1	3−1
	0−8	0−9	0−10	0−11	0−12	0−13	0−14	1−2	2−2	3−2
	0−15	0−16	0−17	0−18	0−19	0−20	0−22	1−3	2−3	3−3
	0−22	0−23	0−24	0−25	0−26	0−27	0−28	1−4	2−4	3−4
	0−29	0−30	0−1	0−2	0−3	0−4	0−5	1−1	2−5	3−5
	0−6	0−7	0−8	0−9	0−10	0−11	0−12	1−2	2−1	3−1
	0−13				→					
					→					
					→					
					→					
					→					
① →	0−25	0−26	0−27	0−28	0−29	1−3	1−4	1−1	1−2	1−3
	1−4	1−1	1−2	1−3	1−4	1−1	2−4	2−5	3−4	3−1
	0−30	0−1	0−2	0−3	0−4	1−2	1−3	1−4	1−1	1−2
	1−3	1−4	1−1	1−2	1−3	1−4	2−1	2−2	3−2	3−3
	0−5									

FIG. 10

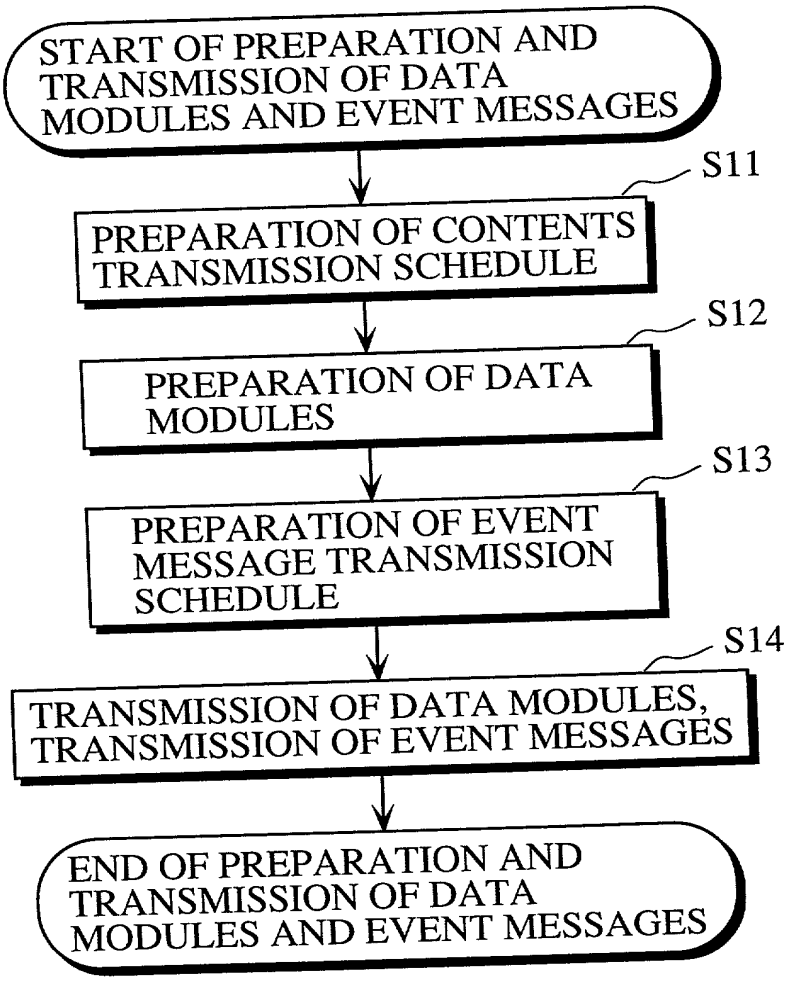

START OF PREPARATION AND TRANSMISSION OF DATA MODULES AND EVENT MESSAGES
S11
PREPARATION OF CONTENTS TRANSMISSION SCHEDULE
S12
PREPARATION OF DATA MODULES
S13
PREPARATION OF EVENT MESSAGE TRANSMISSION SCHEDULE
S14
TRANSMISSION OF DATA MODULES, TRANSMISSION OF EVENT MESSAGES
END OF PREPARATION AND TRANSMISSION OF DATA MODULES AND EVENT MESSAGES

FIG. 11

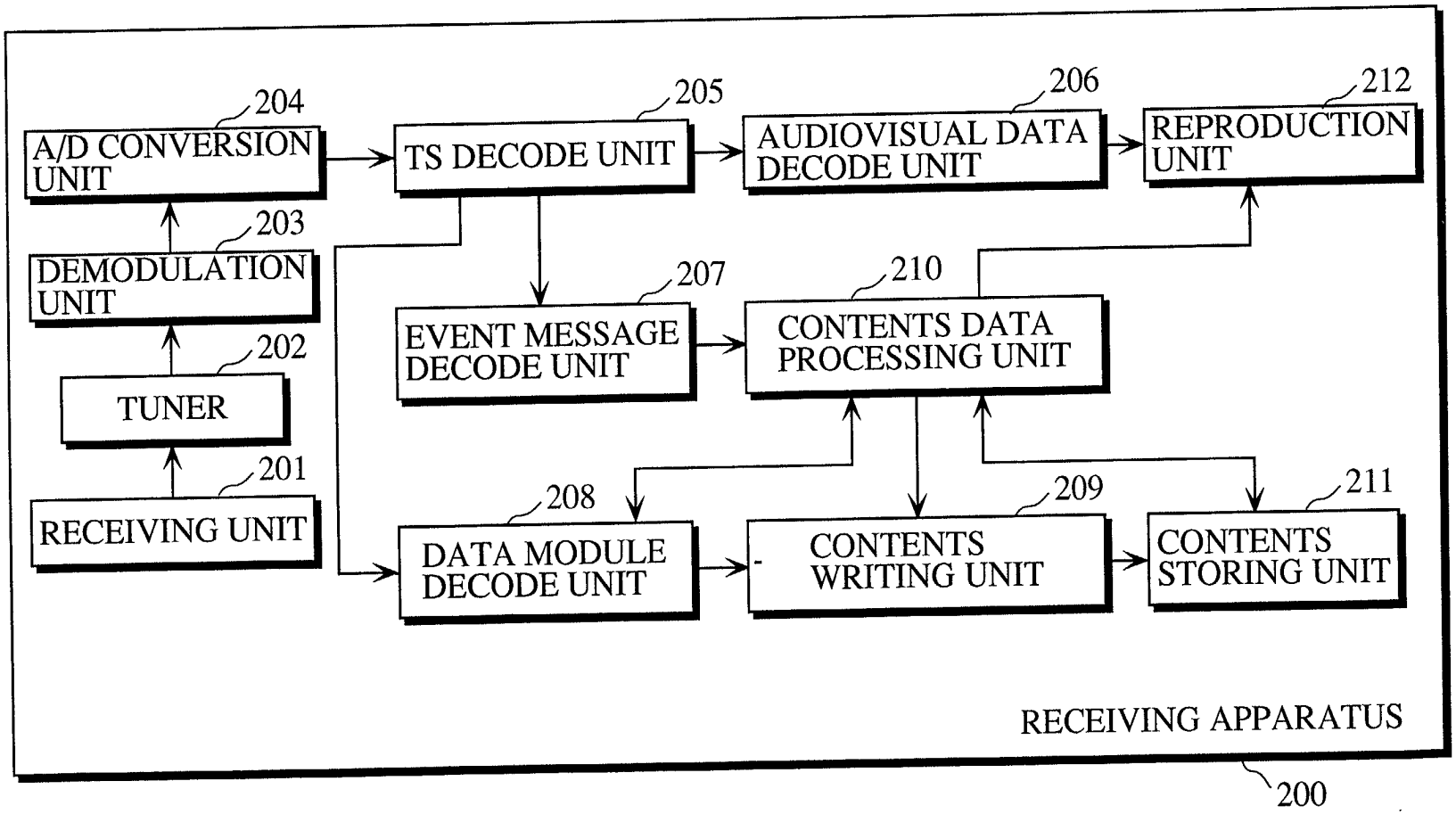

204
A/D CONVERSION UNIT
205
TS DECODE UNIT
206
AUDIOVISUAL DATA DECODE UNIT
212
REPRODUCTION UNIT
203
DEMODULATION UNIT
207
EVENT MESSAGE DECODE UNIT
210
CONTENTS DATA PROCESSING UNIT
202
TUNER
201
RECEIVING UNIT
208
DATA MODULE DECODE UNIT
209
CONTENTS WRITING UNIT
211
CONTENTS STORING UNIT
RECEIVING APPARATUS
200

FIG. 12A

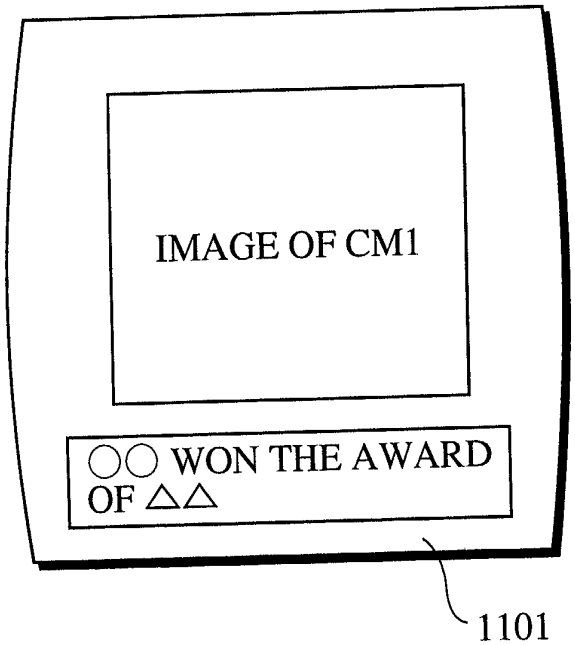


FIG. 12B

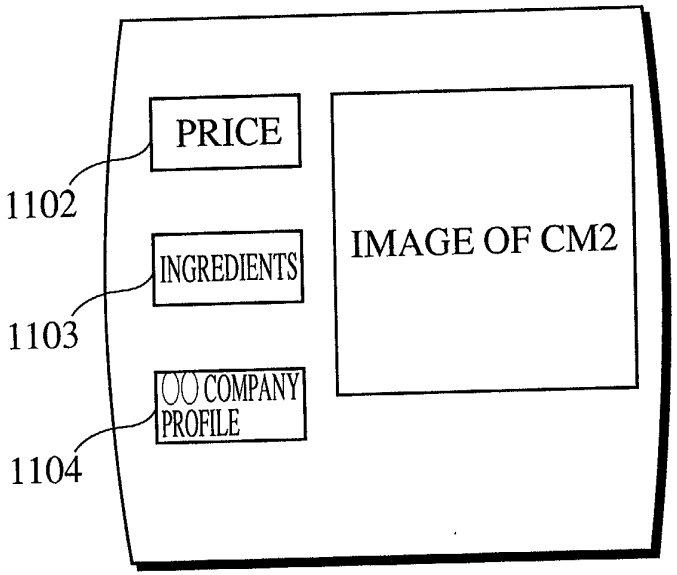


FIG. 13

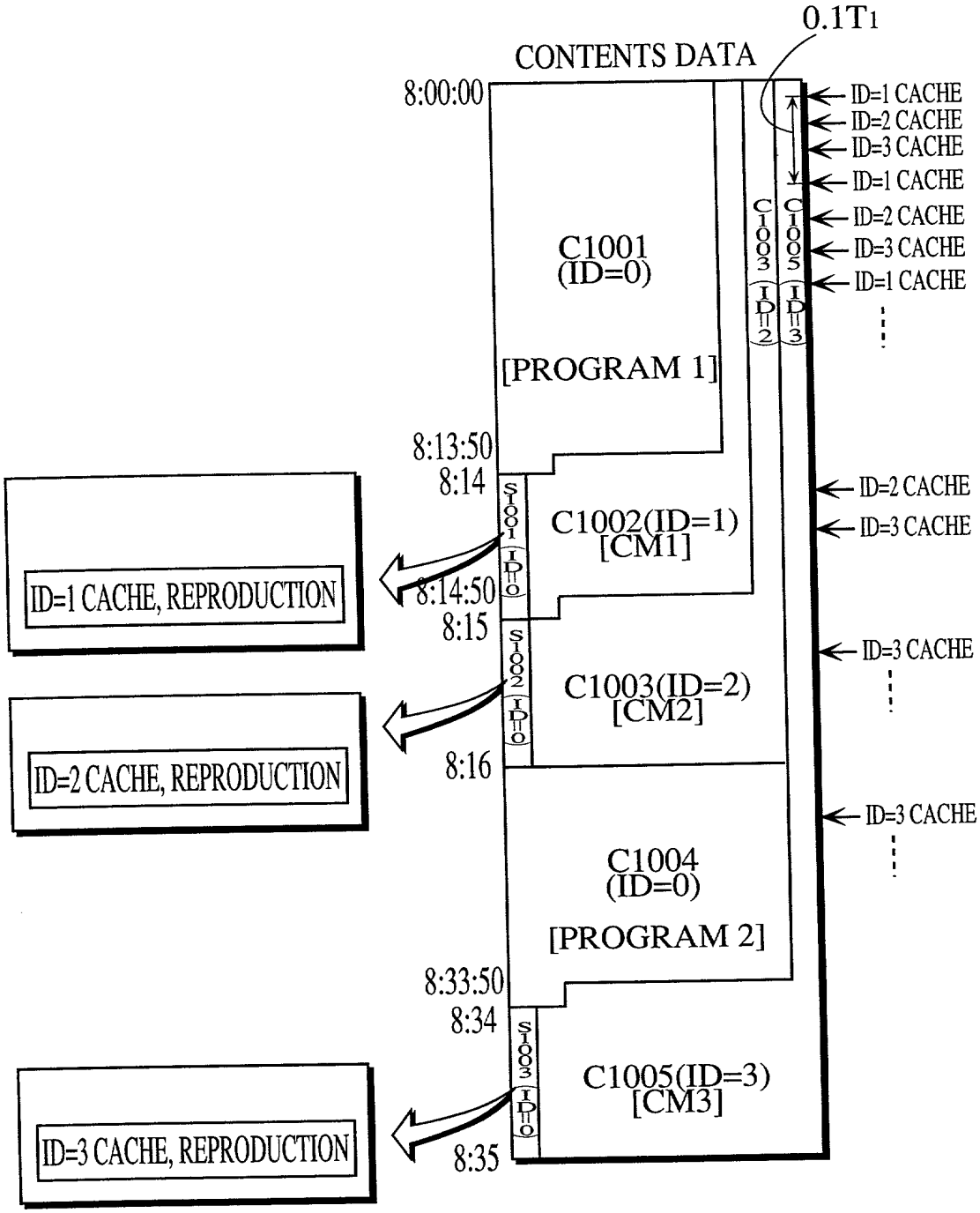

0.1T1
CONTENTS DATA
8:00:00
C1001
(ID=0)
[PROGRAM 1]
8:13:50
8:14
C1002(ID=1)
[CM1]
8:14:50
8:15
C1003(ID=2)
[CM2]
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005(ID=3)
[CM3]
8:35
S1001 (ID=0)
S1002 (ID=0)
S1003 (ID=0)
C1003 (ID=2)
C1005 (ID=3)
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=1 CACHE, REPRODUCTION
ID=2 CACHE, REPRODUCTION
ID=3 CACHE, REPRODUCTION

FIG. 14

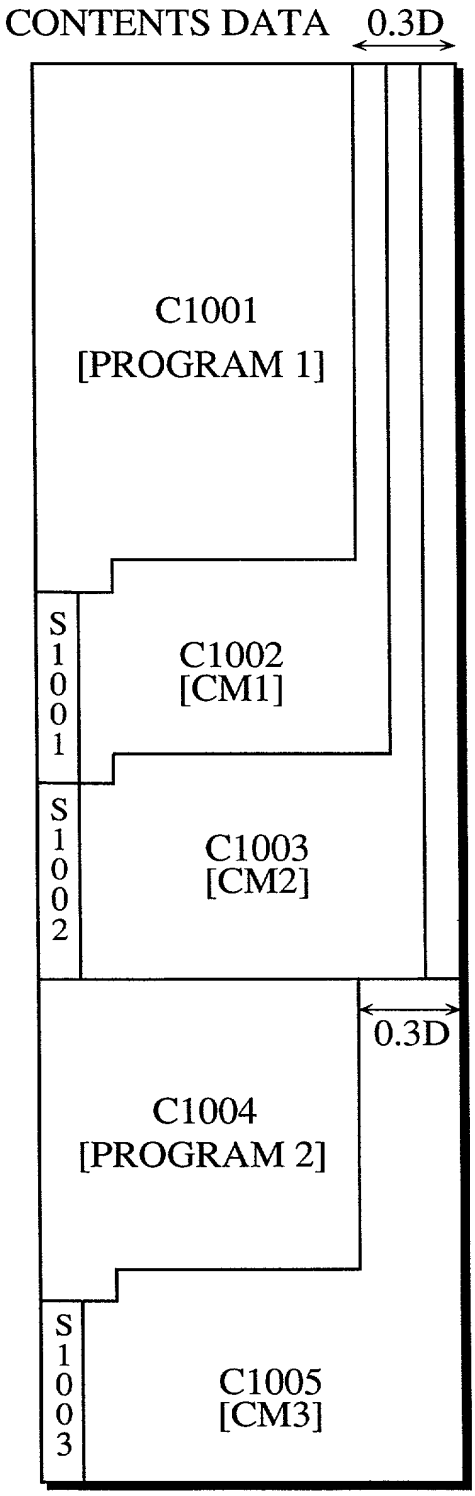

CONTENTS DATA
0.3D
C1001
[PROGRAM 1]
S1001
C1002
[CM1]
S1002
C1003
[CM2]
0.3D
C1004
[PROGRAM 2]
S1003
C1005
[CM3]

FIG. 15

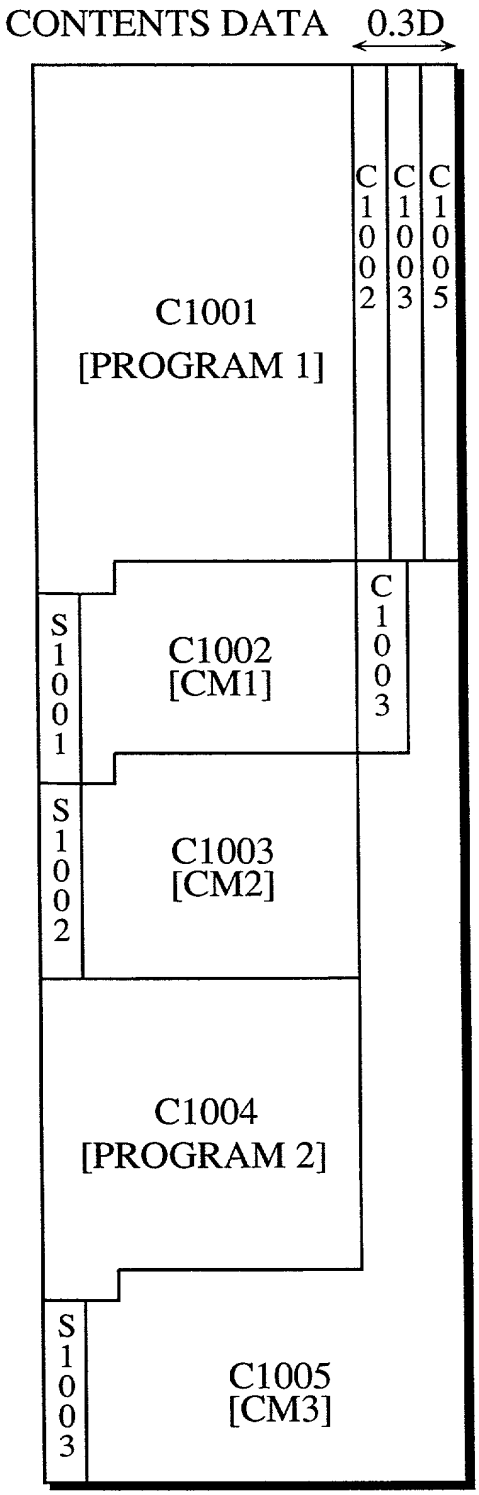

CONTENTS DATA
0.3D
C1001
[PROGRAM 1]
C1002
C1003
C1005
S1001
C1002
[CM1]
C1003
S1002
C1003
[CM2]
C1004
[PROGRAM 2]
S1003
C1005
[CM3]

FIG. 16

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS CODE (TRANSMISSION BANDWIDTH)			
2000/1/1	10	8：00：00～8：14：00	C1001(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8：14：00～8：15：50	S1001(0.05D)	C1002(0.75D)	C1003(0.1D)	C1005(0.1D)
		8：15：00～8：16：00	S1002(0.05D)	C1003(0.85D)	C1005(0.1D)	
		8：16：00～8：34：00	C1004(0.9D)	C1005(0.1D)		
		8：34：00～8：35：00	S1003(0.05D)	C1005(0.95D)		

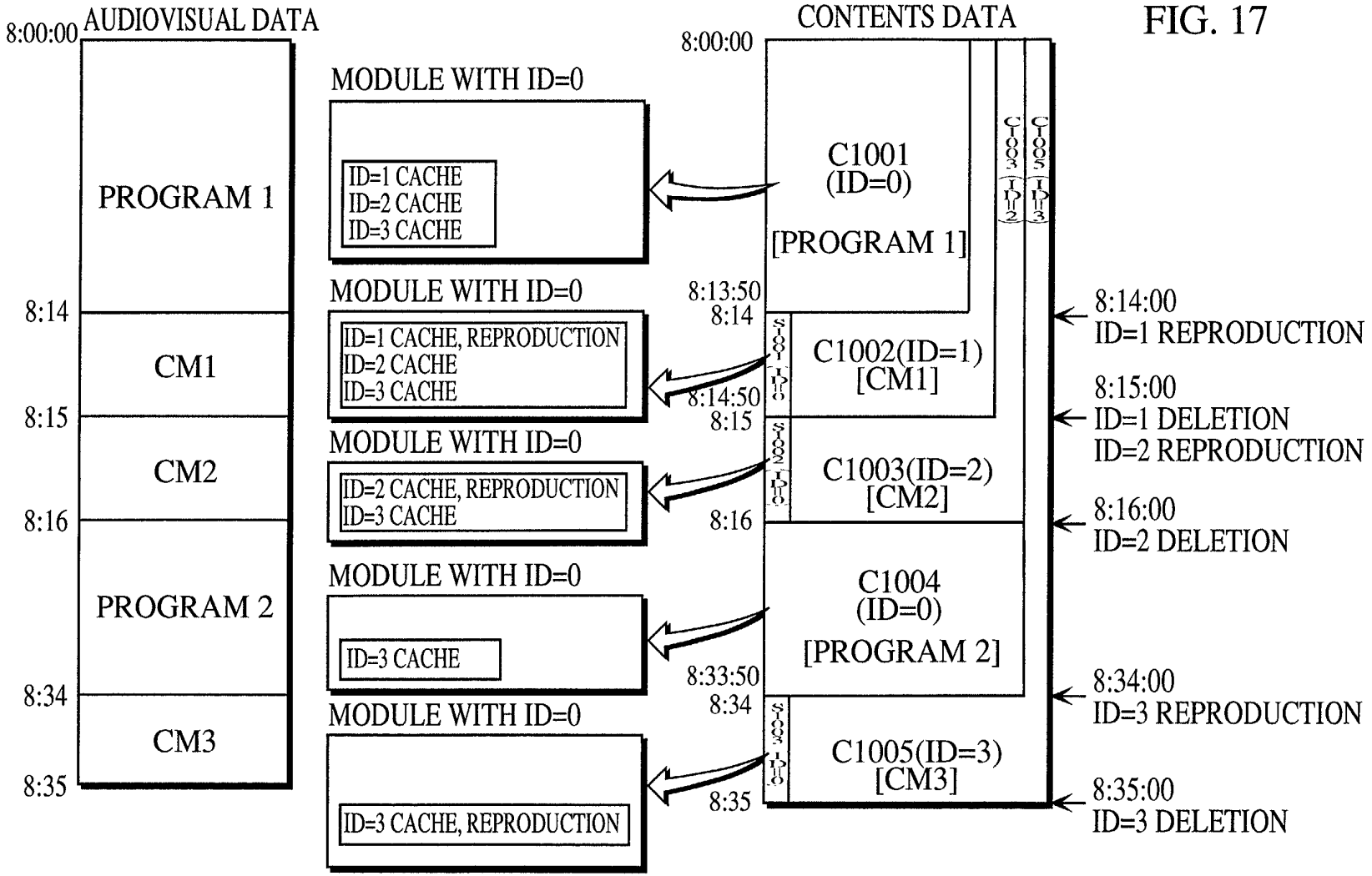

AUDIOVISUAL DATA
8:00:00
PROGRAM 1
8:14
CM1
8:15
CM2
8:16
PROGRAM 2
8:34
CM3
8:35
MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=2 CACHE, REPRODUCTION
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE, REPRODUCTION
CONTENTS DATA
8:00:00
C1001
(ID=0)
[PROGRAM 1]
C-001 (ID=2)
C-001 (ID=3)
8:13:50
8:14
C1002(ID=1)
[CM1]
S-001 (ID=1)
8:14:50
8:15
C1003(ID=2)
[CM2]
S-002 (ID=2)
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005(ID=3)
[CM3]
S-003 (ID=3)
8:35
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=1 DELETION
ID=2 REPRODUCTION
8:16:00
ID=2 DELETION
8:34:00
ID=3 REPRODUCTION
8:35:00
ID=3 DELETION

FIG. 17

FIG. 18

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)			
2000/1/1	10	8:00:00～8:13:50	C1001(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8:13:50～8:14:00	C1001(0.25D)	C1002(0.55D)	C1003(0.1D)	C1005(0.1D)
		8:14:00～8:14:50	S1001(0.05D)	C1002(0.75D)	C1003(0.1D)	C1005(0.1D)
		8:14:50～8:15:00	S1001(0.05D)	C1002(0.3D)	C1003(0.55D)	C1005(0.1D)
		8:15:00～8:15:50	S1002(0.05D)	C1002(0.1D)	C1003(0.75D)	C1005(0.1D)
		8:16:00～8:33:50	C1004(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8:33:50～8:34:00	C1004(0.25D)	C1002(0.1D)	C1003(0.1D)	C1005(0.55D)
		8:34:00～8:35:00	S1003(0.05D)	C1002(0.1D)	C1003(0.1D)	C1005(0.75D)

FIG. 19

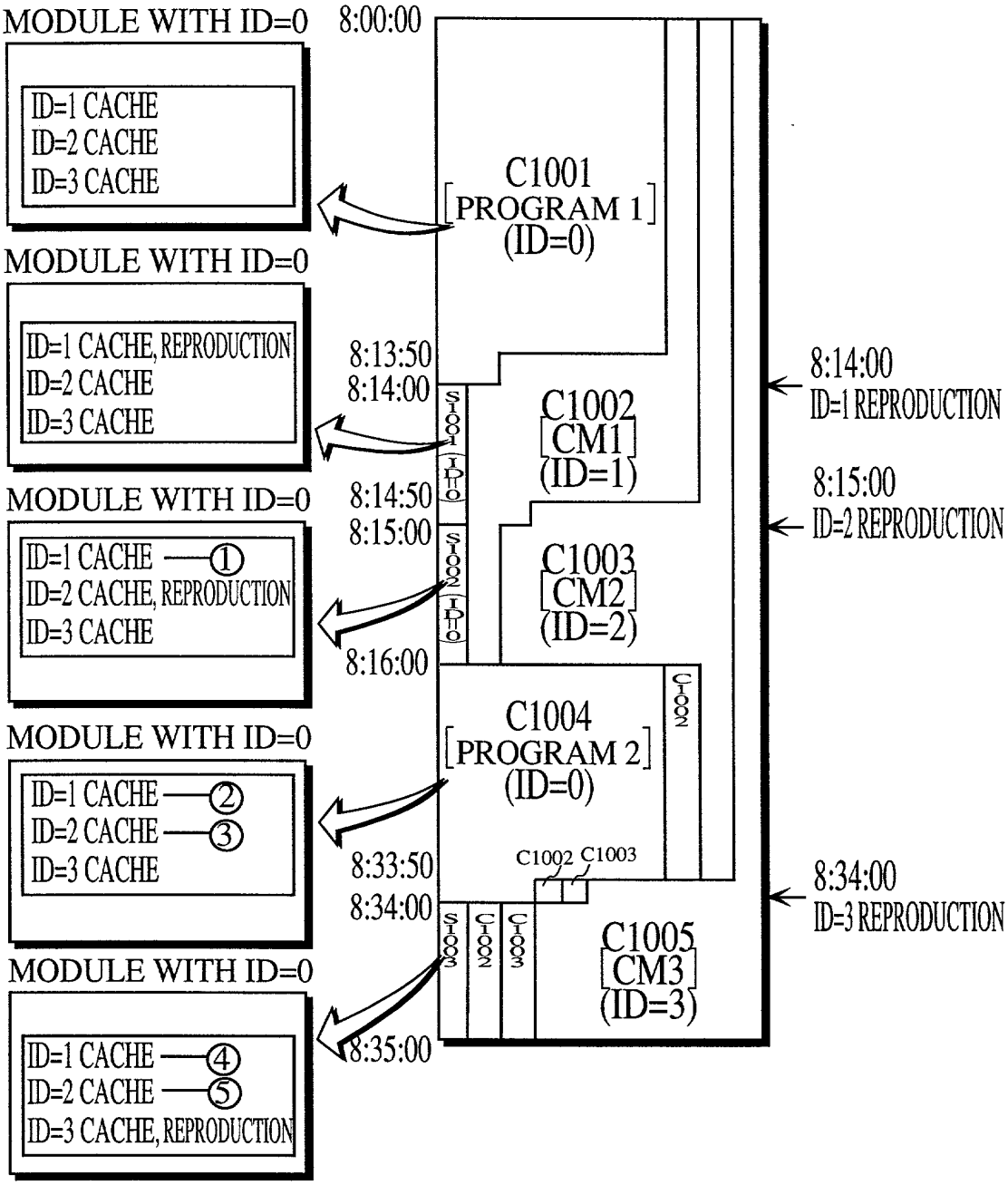

MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ①
ID=2 CACHE, REPRODUCTION
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ②
ID=2 CACHE ③
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ④
ID=2 CACHE ⑤
ID=3 CACHE, REPRODUCTION
8:00:00
C1001
[PROGRAM 1]
(ID=0)
8:13:50
8:14:00
S1001
IDLE
C1002
[CM1]
(ID=1)
8:14:50
8:15:00
S1002
IDLE
C1003
[CM2]
(ID=2)
8:16:00
C1004
[PROGRAM 2]
(ID=0)
C1002
8:33:50
C1002 C1003
8:34:00
S1003
C1002
C1003
C1005
[CM3]
(ID=3)
8:35:00
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=2 REPRODUCTION
8:34:00
ID=3 REPRODUCTION

FIG. 20

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)			
2000/1/1	10	8 : 00 : 00~8 : 14 : 00	C1001(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8 : 14 : 00~8 : 15 : 00	S1001(0.05D)	C1002(0.75D)	C1003(0.1D)	C1005(0.1D)
		8 : 15 : 00~8 : 15 : 50	S1002(0.05D)	C1002(0.1D)	C1003(0.75D)	C1005(0.1D)
		8 : 16 : 00~8 : 34 : 00	C1004(0.7D)	C1002(0.1D)	C1003(0.1D)	C1005(0.1D)
		8 : 34 : 00~8 : 35 : 00	S1003(0.05D)	C1002(0.1D)	C1003(0.1D)	C1005(0.75D)

FIG. 21

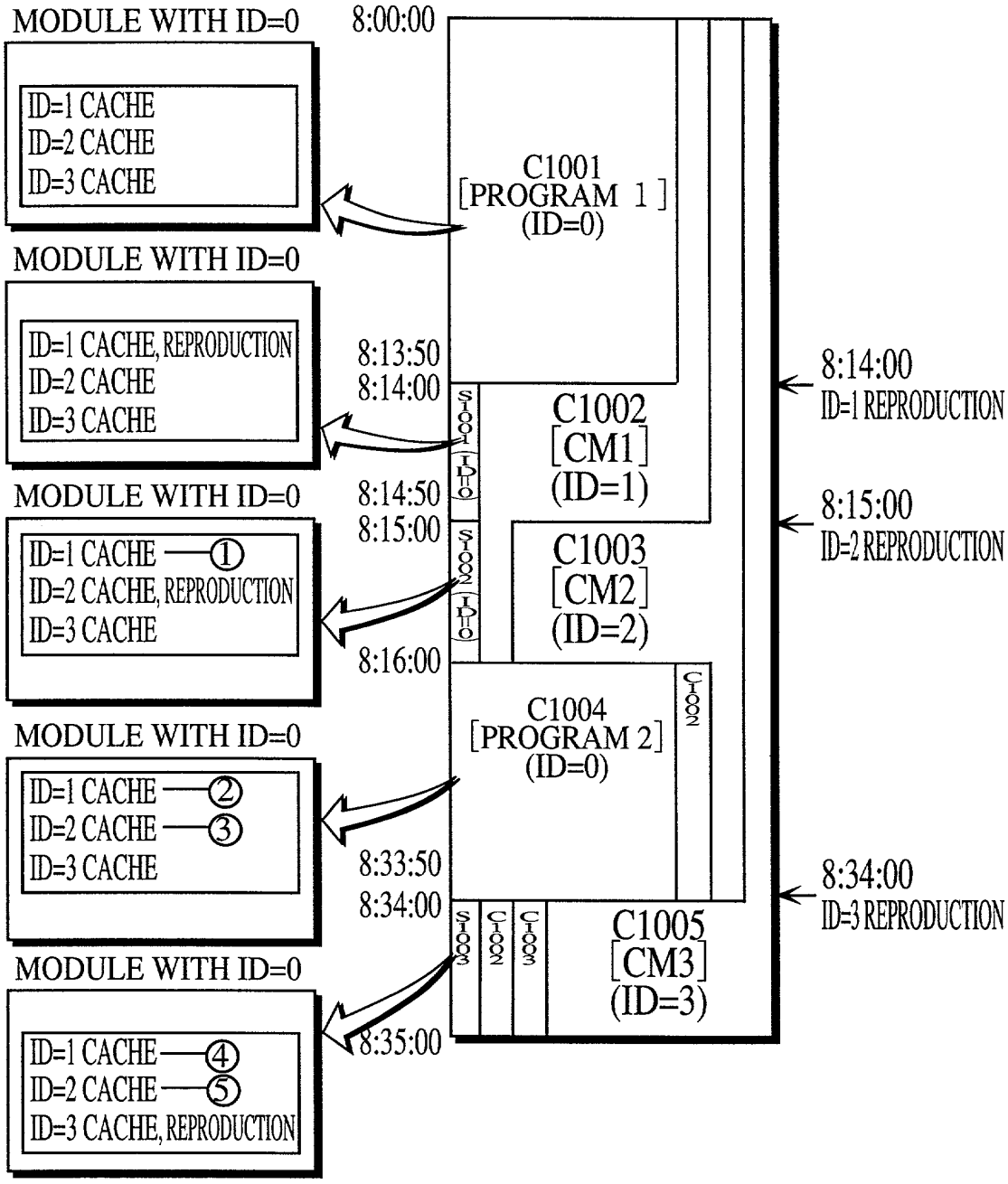

MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ①
ID=2 CACHE, REPRODUCTION
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ②
ID=2 CACHE ③
ID=3 CACHE
MODULE WITH ID=0
ID=1 CACHE ④
ID=2 CACHE ⑤
ID=3 CACHE, REPRODUCTION
8:00:00
8:13:50
8:14:00
8:14:50
8:15:00
8:16:00
8:33:50
8:34:00
8:35:00
C1001
[PROGRAM 1]
(ID=0)
C1002
[CM1]
(ID=1)
C1003
[CM2]
(ID=2)
C1004
[PROGRAM 2]
(ID=0)
C1005
[CM3]
(ID=3)
SIO01
SIO02
SIO03
IDO
C102
C102
C103
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=2 REPRODUCTION
8:34:00
ID=3 REPRODUCTION

FIG. 22

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)				
2000/1/1	10	8:00:00~8:13:50	C1001(0.7D)	RC1002(0.1D)	RC1003(0.1D)	RC1005(0.1D)	
		8:13:50~8:14:00	C1001(0.25D)	NC1002(0.45D)	RC1002(0.1D)	RC1003(0.1D)	RC1005(0.1D)
		8:14:00~8:14:50	S1001(0.05D)	NC1002(0.75D)	RC1003(0.1D)	RC1005(0.1D)	
		8:14:50~8:15:00	S1001(0.05D)	NC1002(0.2D)	NC1003(0.55D)	RC1003(0.1D)	RC1005(0.1D)
		8:15:00~8:16:00	S1002(0.05D)	NC1003(0.85D)	RC1005(0.1D)		
		8:16:00~8:33:50	C1004(0.9D)	RC1005(0.1D)			
		8:33:50~8:34:00	C1004(0.25D)	NC1005(0.65D)	RC1005(0.1D)		
		8:34:00~8:35:00	S1003(0.05D)	NC1005(0.95D)			

FIG. 23

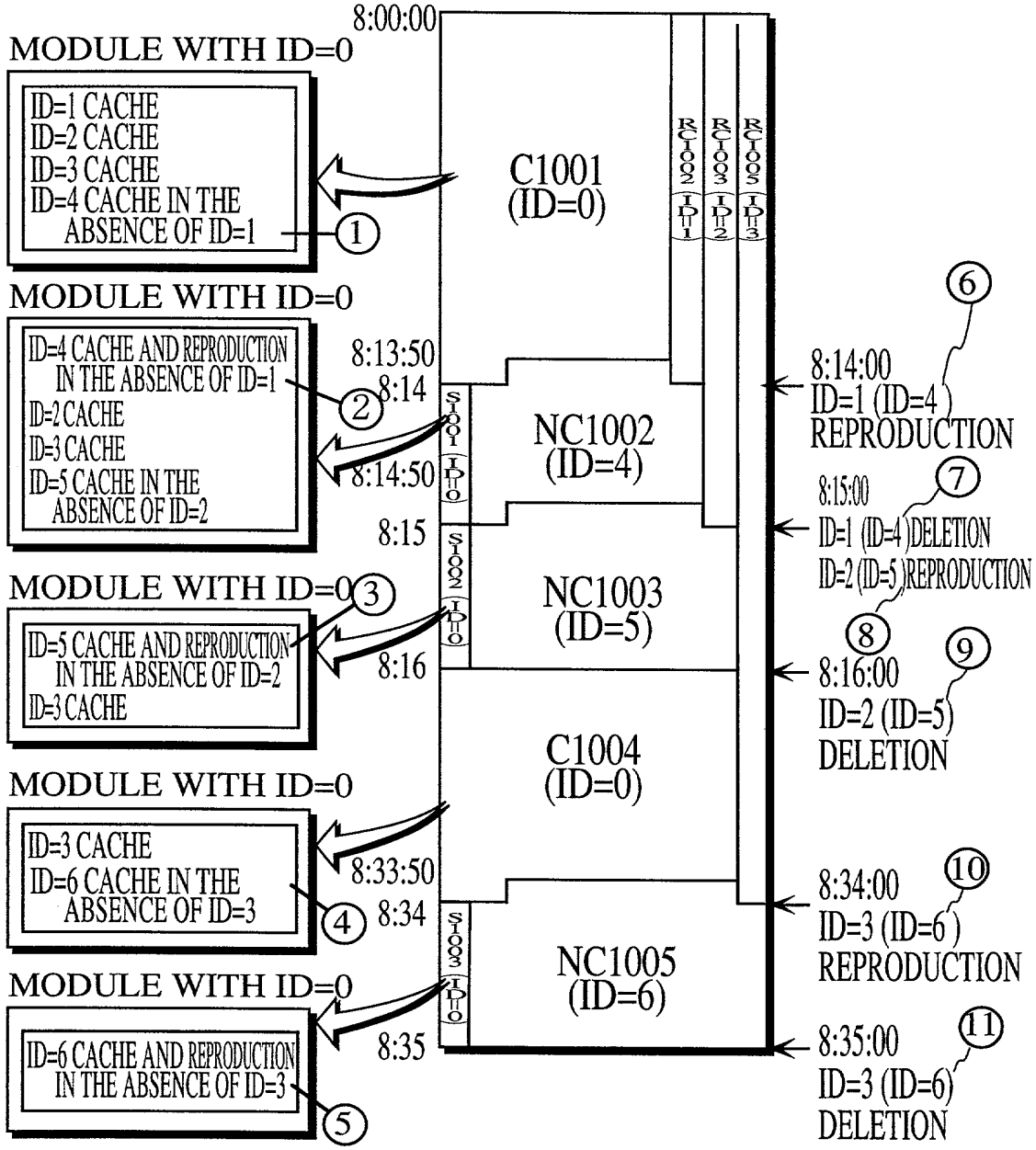

8:00:00
MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=4 CACHE IN THE ABSENCE OF ID=1
1
C1001 (ID=0)
NC1002 (ID=1)
NC1003 (ID=2)
NC1005 (ID=3)
MODULE WITH ID=0
ID=4 CACHE AND REPRODUCTION IN THE ABSENCE OF ID=1
ID=2 CACHE
ID=3 CACHE
ID=5 CACHE IN THE ABSENCE OF ID=2
8:13:50
8:14
2
8:14:50
NC1002 (ID=4)
8:15
MODULE WITH ID=0
ID=5 CACHE AND REPRODUCTION IN THE ABSENCE OF ID=2
ID=3 CACHE
3
8:16
NC1003 (ID=5)
C1004 (ID=0)
MODULE WITH ID=0
ID=3 CACHE
ID=6 CACHE IN THE ABSENCE OF ID=3
4
8:33:50
8:34
NC1005 (ID=6)
MODULE WITH ID=0
ID=6 CACHE AND REPRODUCTION IN THE ABSENCE OF ID=3
5
8:35
6
8:14:00
ID=1 (ID=4) REPRODUCTION
7
8:15:00
ID=1 (ID=4) DELETION
ID=2 (ID=5) REPRODUCTION
8
9
8:16:00
ID=2 (ID=5) DELETION
10
8:34:00
ID=3 (ID=6) REPRODUCTION
11
8:35:00
ID=3 (ID=6) DELETION

FIG. 24

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)		
2000/1/1	10	8:00:00~8:13:50	C1001(0.8D)	C1002(0.1D)	C1003(0.1D)
		8:13:50~8:14:00	C1001(0.2D)	C1002(0.7D)	C1003(0.1D)
		8:14:00~8:14:50	C1002(0.9D)	C1003(0.1D)	
		8:14:50~8:15:00	C1002(0.5D)	C1003(0.5D)	
		8:15:00~8:16:00	C1003(1D)		
		8:16:00~8:33:50	C1004(0.9D)	C1005(0.1D)	
		8:33:50~8:34:00	C1004(0.2D)	C1005(0.8D)	
		8:34:00~8:35:00	C1005(1D)		

FIG. 25

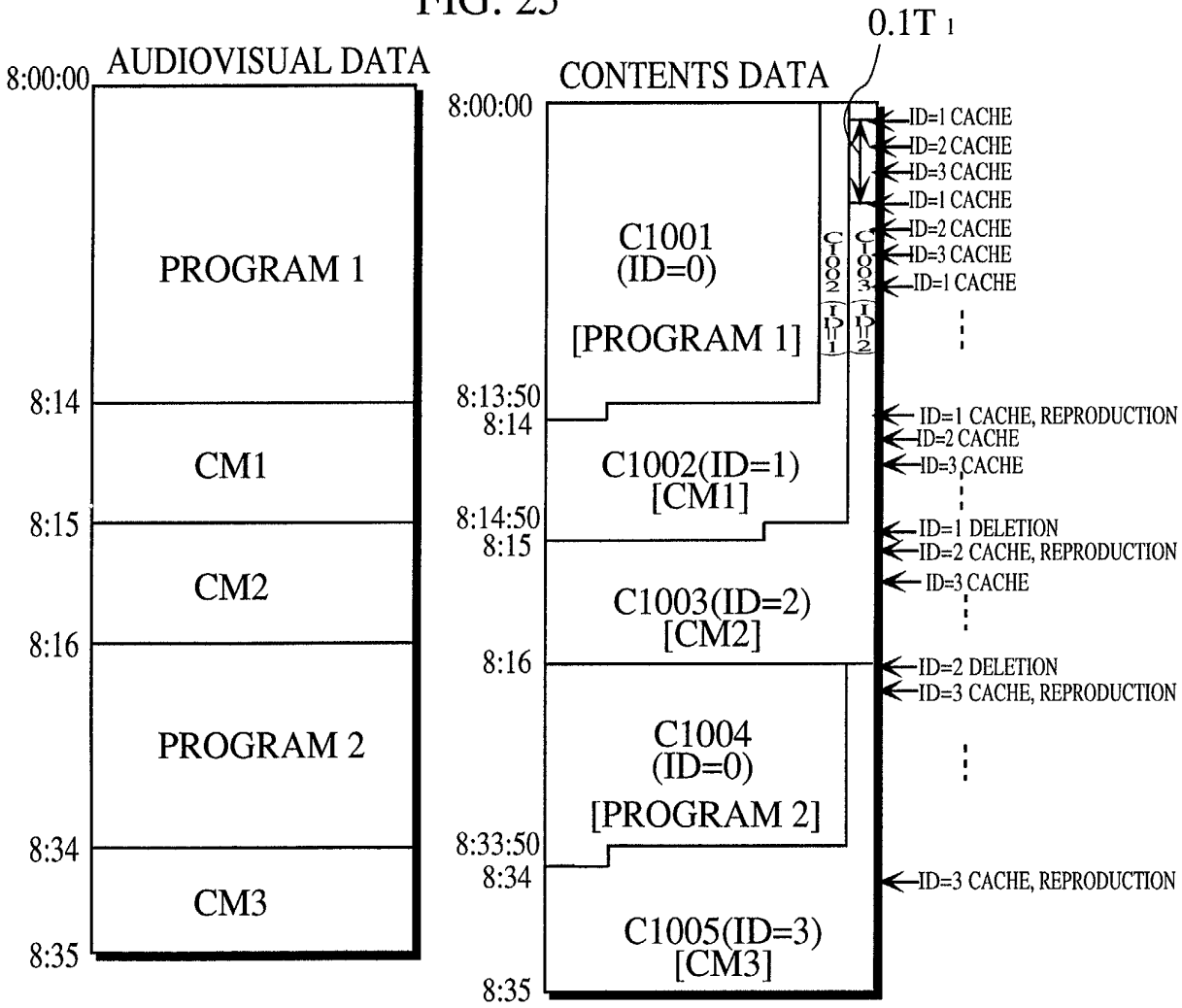

AUDIOVISUAL DATA
8:00:00
PROGRAM 1
8:14
CM1
8:15
CM2
8:16
PROGRAM 2
8:34
CM3
8:35
CONTENTS DATA
0.1T 1
8:00:00
C1001
(ID=0)
[PROGRAM 1]
C1002 (ID=1)
C1003 (ID=2)
8:13:50
8:14
C1002(ID=1)
[CM1]
8:14:50
8:15
C1003(ID=2)
[CM2]
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005(ID=3)
[CM3]
8:35
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=1 CACHE
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
ID=3 CACHE
ID=1 DELETION
ID=2 CACHE, REPRODUCTION
ID=3 CACHE
ID=2 DELETION
ID=3 CACHE, REPRODUCTION
ID=3 CACHE, REPRODUCTION

FIG. 26

BROADCASTING DATE	CHANNEL CODE	TRANSMISSION TIME	CONTENTS MANAGEMENT CODE (TRANSMISSION BANDWIDTH)		
2000/1/1	10	8：00：00～8：13：50	C1001(0.8D)	C1002(0.1D)	C1003(0.1D)
		8：13：50～8：14：00	C1001(0.2D)	C1002(0.7D)	C1003(0.1D)
		8：14：00～8：14：50	C1002(0.9D)	C1003(0.1D)	
		8：14：50～8：15：00	C1002(0.9D)	C1003(0.1D)	
		8：15：00～8：16：00	C1003(1D)		
		8：16：00～8：33：50	C1004(0.9D)	C1005(0.1D)	
		8：33：50～8：34：00	C1004(0.2D)	C1005(0.8D)	
		8：34：00～8：35：00	C1005(1D)		

FIG. 27

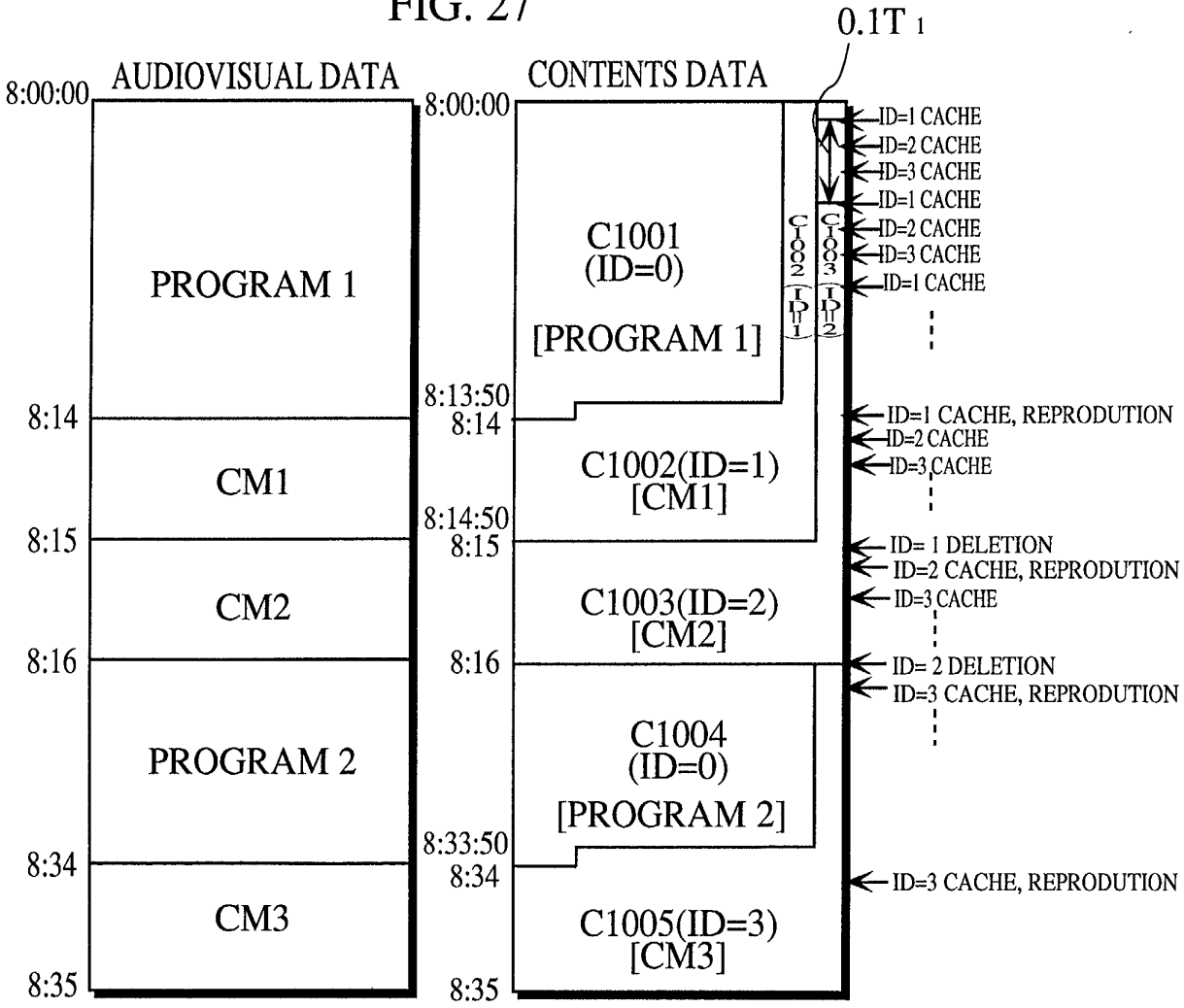

0.1T 1
AUDIOVISUAL DATA
CONTENTS DATA
8:00:00
8:14
8:15
8:16
8:34
8:35
PROGRAM 1
CM1
CM2
PROGRAM 2
CM3
C1001
(ID=0)
[PROGRAM 1]
C1002(ID=1)
[CM1]
C1003(ID=2)
[CM2]
C1004
(ID=0)
[PROGRAM 2]
C1005(ID=3)
[CM3]
8:13:50
8:14:50
8:33:50
C1002 ID1
C1003 ID2
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=1 CACHE
ID=2 CACHE
ID=3 CACHE
ID=1 CACHE
ID=1 CACHE, REPRODUTION
ID=2 CACHE
ID=3 CACHE
ID= 1 DELETION
ID=2 CACHE, REPRODUTION
ID=3 CACHE
ID= 2 DELETION
ID=3 CACHE, REPRODUTION
ID=3 CACHE, REPRODUTION

FIG. 28

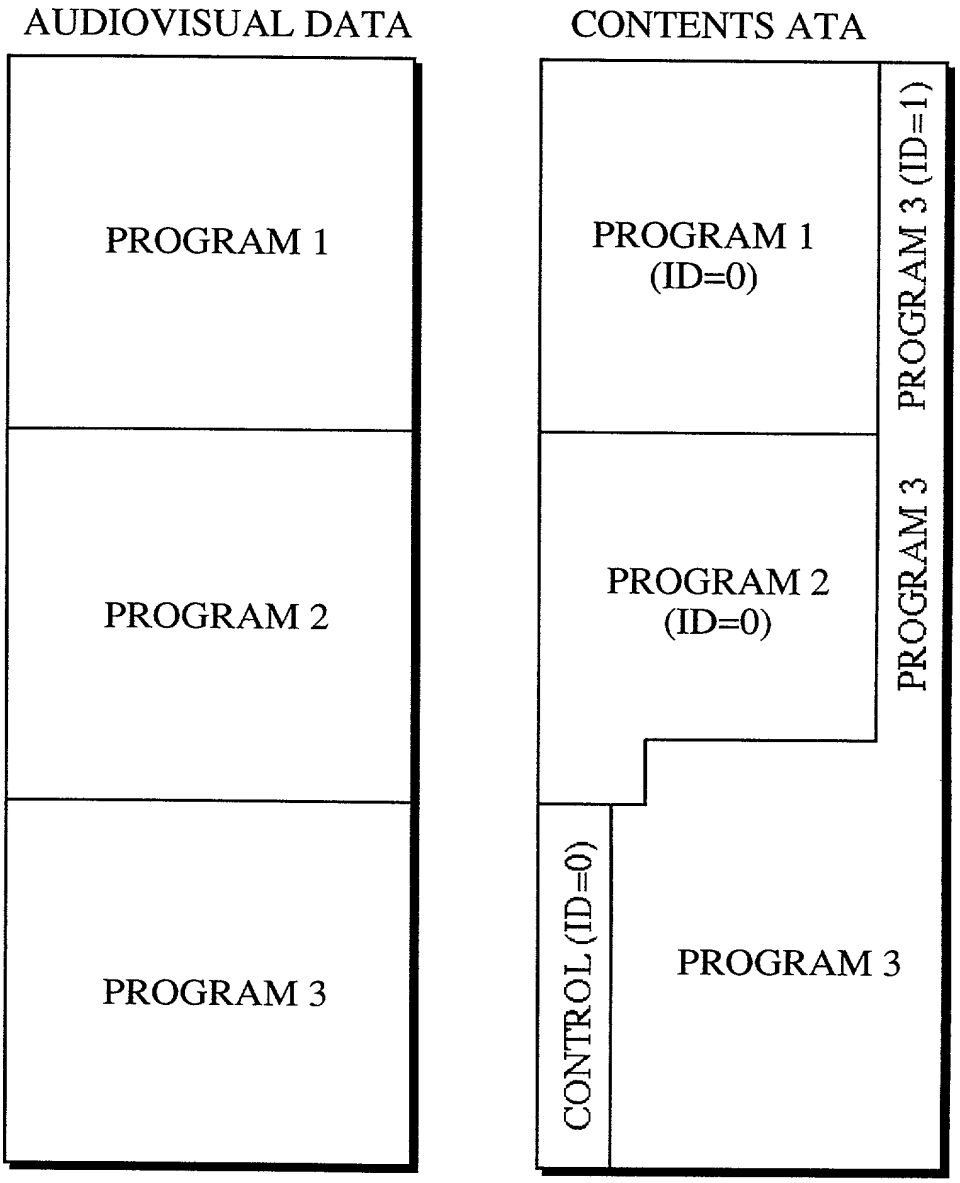

AUDIOVISUAL DATA
PROGRAM 1
PROGRAM 2
PROGRAM 3
CONTENTS ATA
PROGRAM 1
(ID=0)
PROGRAM 2
(ID=0)
CONTROL (ID=0)
PROGRAM 3
PROGRAM 3 (ID=1)
PROGRAM 3

FIG. 29

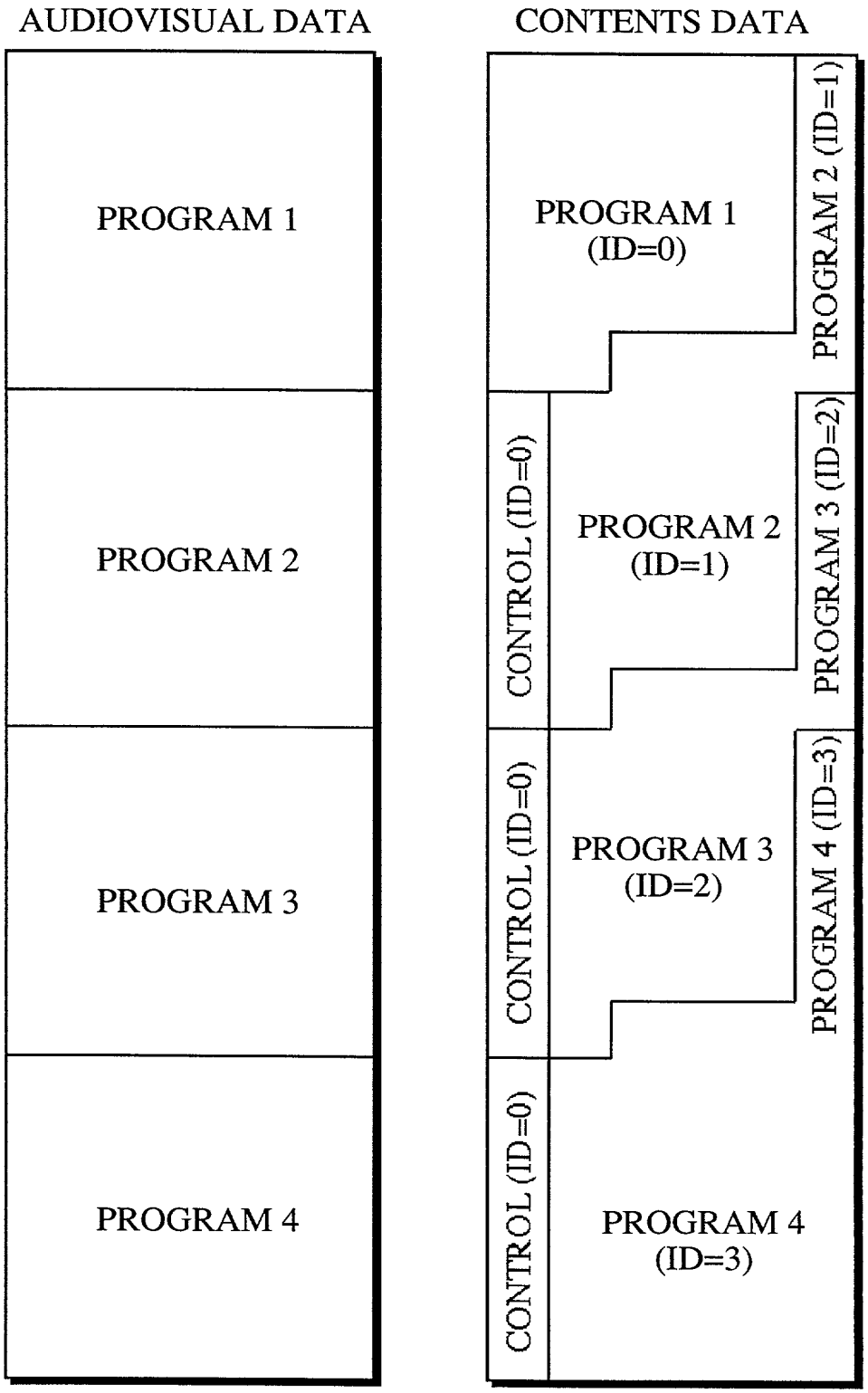

AUDIOVISUAL DATA
PROGRAM 1
PROGRAM 2
PROGRAM 3
PROGRAM 4
CONTENTS DATA
PROGRAM 1 (ID=0)
PROGRAM 2 (ID=1)
CONTROL (ID=0)
PROGRAM 2 (ID=1)
PROGRAM 3 (ID=2)
CONTROL (ID=0)
PROGRAM 3 (ID=2)
PROGRAM 4 (ID=3)
CONTROL (ID=0)
PROGRAM 4 (ID=3)

FIG. 30

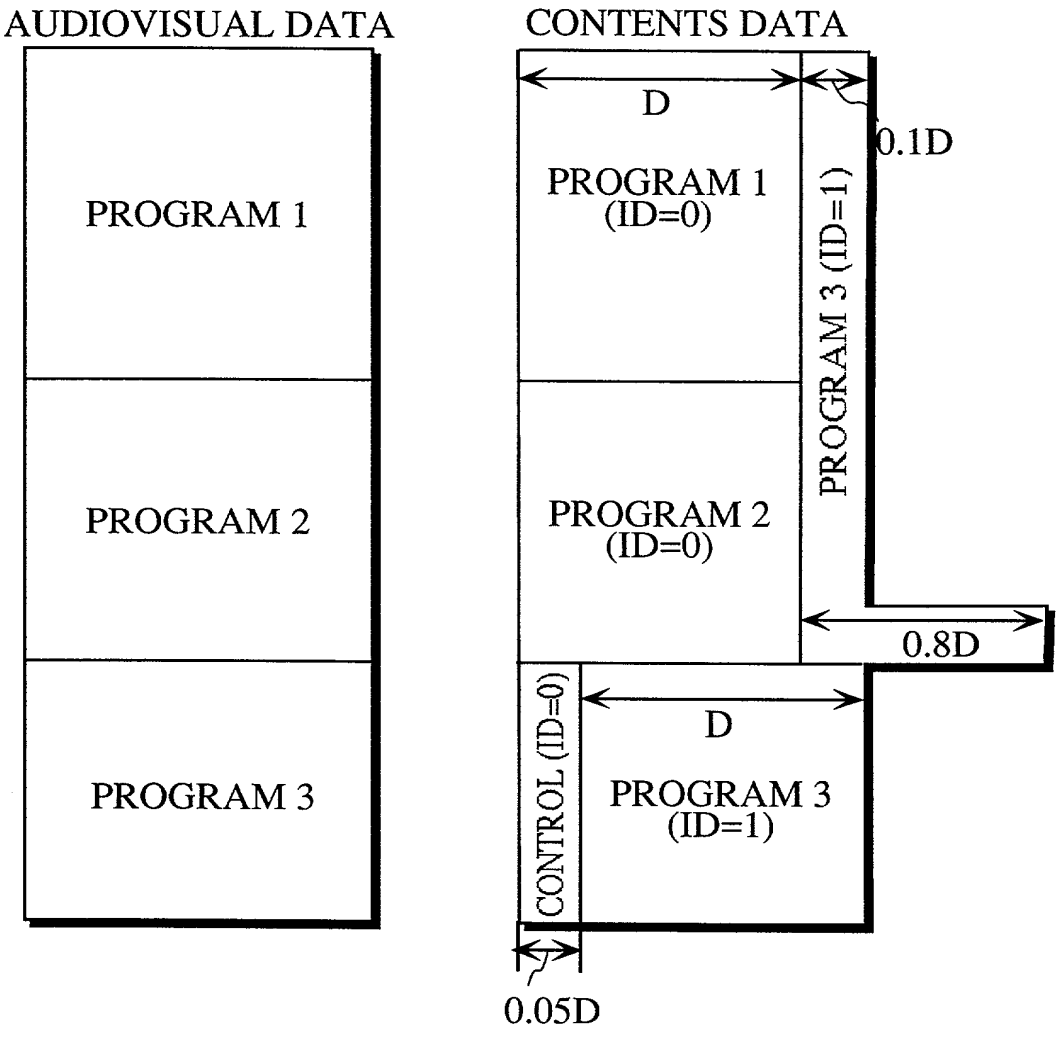

AUDIOVISUAL DATA
PROGRAM 1
PROGRAM 2
PROGRAM 3
CONTENTS DATA
D
0.1D
PROGRAM 1
(ID=0)
PROGRAM 3 (ID=1)
PROGRAM 2
(ID=0)
0.8D
D
CONTROL (ID=0)
PROGRAM 3
(ID=1)
0.05D

FIG. 31

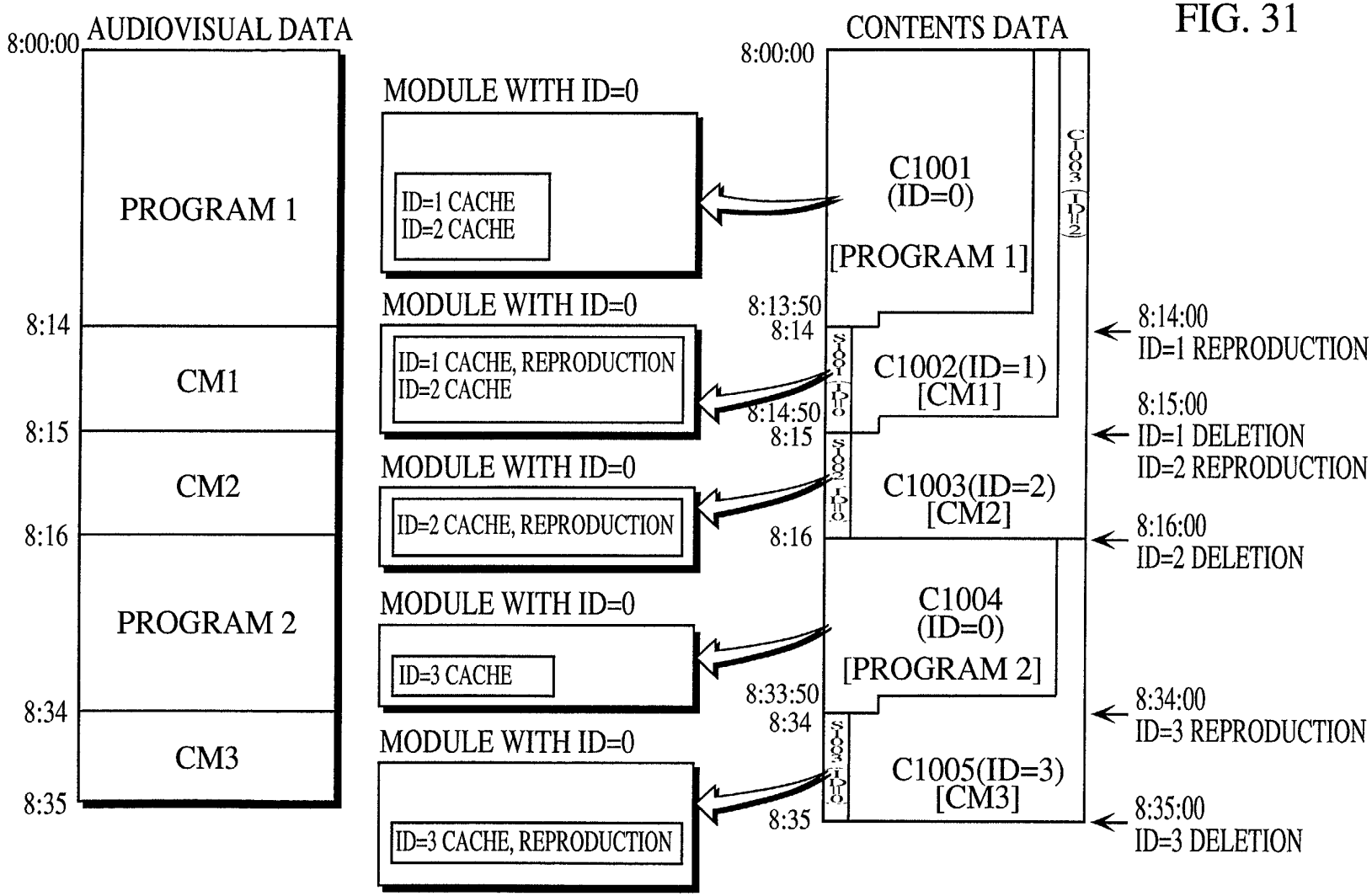
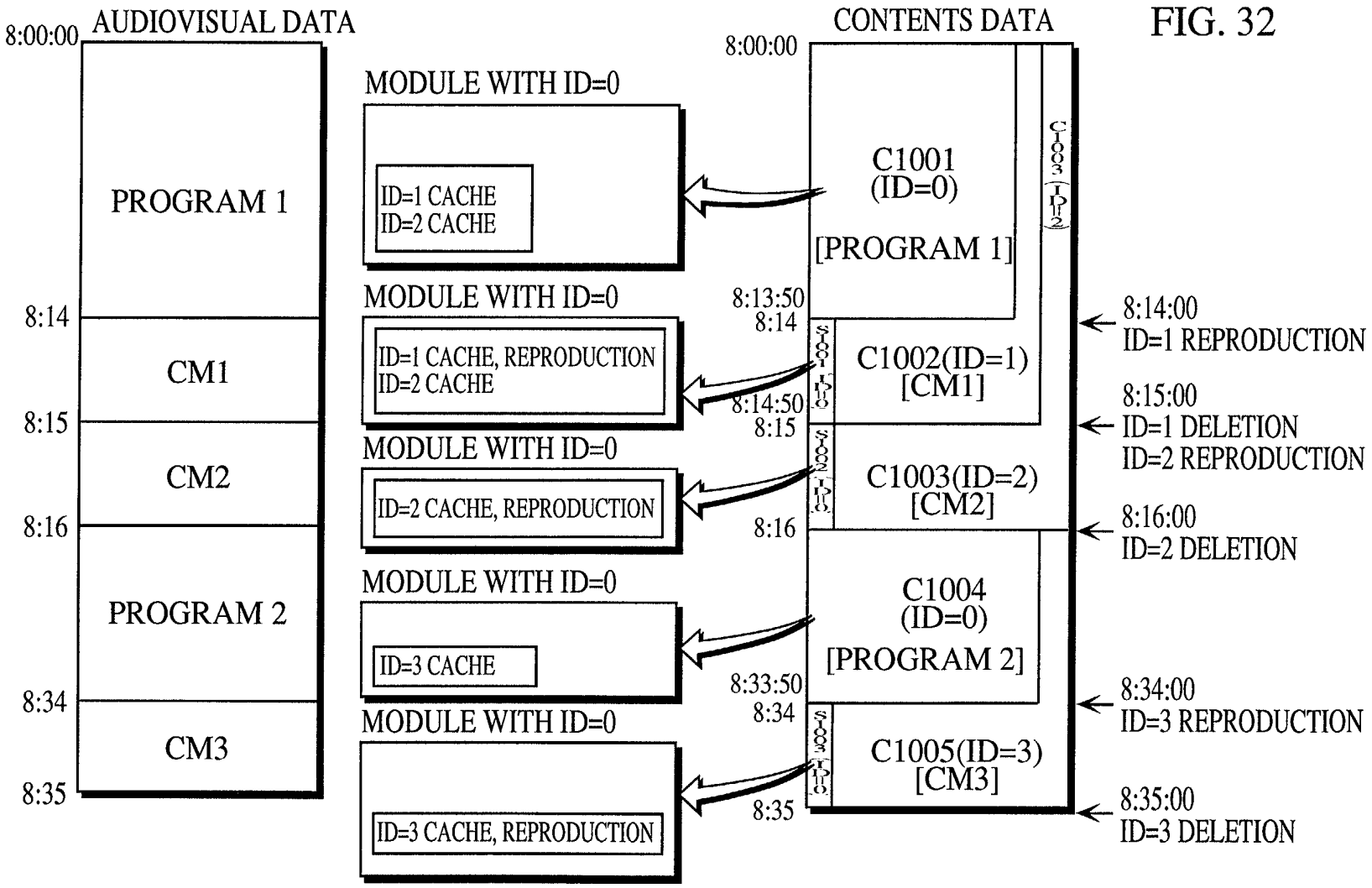

8:00:00
AUDIOVISUAL DATA
PROGRAM 1
8:14
CM1
8:15
CM2
8:16
PROGRAM 2
8:34
CM3
8:35
MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
MODULE WITH ID=0
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
MODULE WITH ID=0
ID=2 CACHE, REPRODUCTION
MODULE WITH ID=0
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE, REPRODUCTION
CONTENTS DATA
8:00:00
C1001
(ID=0)
[PROGRAM 1]
C-001 (ID=0)
8:13:50
8:14
C1002(ID=1)
[CM1]
C-002 (ID=1)
8:14:50
8:15
C1003(ID=2)
[CM2]
C-003 (ID=2)
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005(ID=3)
[CM3]
C-004 (ID=3)
8:35
C-005 (ID=2)
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=1 DELETION
ID=2 REPRODUCTION
8:16:00
ID=2 DELETION
8:34:00
ID=3 REPRODUCTION
8:35:00
ID=3 DELETION

FIG. 32


8:00:00
AUDIOVISUAL DATA
PROGRAM 1
8:14
CM1
8:15
CM2
8:16
PROGRAM 2
8:34
CM3
8:35
MODULE WITH ID=0
ID=1 CACHE
ID=2 CACHE
MODULE WITH ID=0
ID=1 CACHE, REPRODUCTION
ID=2 CACHE
MODULE WITH ID=0
ID=2 CACHE, REPRODUCTION
MODULE WITH ID=0
ID=3 CACHE
MODULE WITH ID=0
ID=3 CACHE, REPRODUCTION
CONTENTS DATA
8:00:00
C1001
(ID=0)
[PROGRAM 1]
8:13:50
8:14
C1002(ID=1)
[CM1]
8:14:50
8:15
C1003(ID=2)
[CM2]
8:16
C1004
(ID=0)
[PROGRAM 2]
8:33:50
8:34
C1005(ID=3)
[CM3]
8:35
8:14:00
ID=1 REPRODUCTION
8:15:00
ID=1 DELETION
ID=2 REPRODUCTION
8:16:00
ID=2 DELETION
8:34:00
ID=3 REPRODUCTION
8:35:00
ID=3 DELETION